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|-------------------------------|------------------------------|---------------------|
| <b>Notice of Allowability</b> | <b>Application No.</b>       | <b>Applicant(s)</b> |
|                               | 10/077,593                   | WU ET AL.           |
|                               | Examiner<br>John B. Vigushin | Art Unit<br>2841    |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to After-Final Amendment filed 19 Sep 2005 (Cert. of Mailing date; 16 Sep 2005).
2.  The allowed claim(s) is/are 1-7 and 9-31.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date 1203//18Dec2003.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 0905//06 Sep 2005
4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

### **DETAILED ACTION**

1. The present Office Action is responsive to Applicant's After-Final Amendment filed 19 September 2005 (Certificate of Mailing date: 16 September 2005). Claims 1-7 and 9-31 remain pending in the instant Application.
2. The Examiner acknowledges the proper disqualification of Marketkar et al. (US 2001/0024888 A1) under 35 USC § 103(c) in accordance with MPEP § 706.02(l)(1) and § 706.02(l)(2) (see pp.8-9 of Applicant's above-cited After-Final Amendment). Accordingly, the Examiner's rejection of Claims 25-26 over Marketkar et al. in view of Ishibashi et al. (US 6,163,464) under 35 USC § 103(a) has been withdrawn.

### **EXAMINER'S AMENDMENT**

3. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In reviewing the version of the claims submitted in the instant Amendment, the Examiner noted that a transcription error occurred in some the claims, thus resulting in the citation of the wrong claim dependency. Specifically, Claims 9 and 12-14 have been presented in the instant Amendment such that each depend from cancelled Claim 8. If the Applicant compares the present version of these claims with the corresponding claims presented in the previous After-Final Amendment, filed 20 July 2005, it will be

seen that the intended dependency of each of Claims 9 and 12-14 is from base Claim 1, which was previously amended to incorporate the subject matter of cancelled Claim 8.

Accordingly, the Claims 9 and 12-14 have been amended by the Examiner as follows:

**In Claim 9, line 1: "8" has been changed to --1--.**

**In Claim 12, line 1: "8' has been changed to --1--.**

**In Claim 13, line 1: "8' has been changed to --1--.**

**In Claim 14, line 1: "8' has been changed to --1--.**

#### ***Allowable Subject Matter***

4. Claims 1-7 and 9-31 have been allowed.

5. The following is an examiner's statement of reasons for allowance:

See reasons for allowance of Claims 1-7, 9-24 and 27-31 in the Examiner's Office Action of 14 December 2004.

In Claims 25-26, patentability resides in *mounting sockets on a circuit board at locations of electromagnetic bus couplers using a force that causes viscous material to be squeezed and to flow to fill air gaps between the sockets and the circuit board*, in combination with the other limitations of base Claim 25.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

7. Claims 1-7 and 9-31 of the instant allowed Application will be renumbered as Claims 1-30, respectively, for publication in the issued patent.

***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

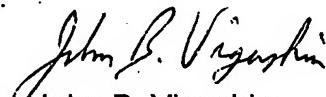
Miller (US 6,882,239 B2; already made of record in Applicant's IDS filed 06 September 2005) discloses a daughtercard 86 having a transmission line 90 electromagnetically coupled to a transmission line 89 of motherboard 82 by an electromagnetic coupler 92, and the daughtercard 86 is electrically connected to a socket connector 84 on motherboard 82 (Figs. 11 and 12). However, the electromagnetic coupler 92 is built into the daughtercard 86 and not within the socket connector 84 (col.12: 64-col.13: 4); socket connector 84 does not comprise a rigid electromagnetic coupler, as required by the Applicant's claimed invention.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John B. Vigushin whose telephone number is 571-272-1936. The examiner can normally be reached on 8:30AM-5:00PM Mo-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2841

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John B. Vigushin  
Primary Examiner  
Art Unit 2841

jbv

September 30, 2005